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PORTO RICO COLLECTED BY H. H.
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A LIST OF THE PYRENOMYCETES OF PORTO RICO COLLECTED BY H. H. WHETZEL AND E. W. OLIVE¹

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The following list of Pyrenomycetes of Porto Rico is based on material collected by Prof. H. H. Whetzel and Dr. E. W. Olive during a brief stay at the Island in the spring of 1916. A detailed account of their expedition need not be given here, since it has been previously published.² Their attention was directed mainly towards the rusts, but fungi belonging to other groups were also collected. The Pyrenomycetes stand in second place from the standpoint of the number of species collected. The Uredinales have been studied by Dr. J. C. Arthur,³ and recently several papers have appeared dealing with some of the Pyrenomycetes^{4, 5, 6}. However, a detailed list of the members of this group has not been published, and since many of them are discussed in the papers of Prof. F. L. Stevens and his students, it has been relatively easy to identify most of the specimens, in as far as they are known.

All doubtful determinations have been excluded. Specimens representing what are believed to be new species have been set aside for further study.

During the preparation of the list, help has been received from a number of mycologists. I wish especially to acknowledge my indebtedness to Prof. F. L. Stevens of the University of Illinois, Prof. C. R. Orton of Pennsylvania College, Mr. C. G. Lloyd of Cincinnati, Ohio, Prof. F. S. Earle of the Insular Experiment Station at Rio Piedras, P. R., and Dr. F. J. Seaver of the New

¹ Two species of Hysteriales are included.

² Brook. Bot. Gard. Rep. 5: 117-121. 1916.

³ Mycologia 9: 55-104. 1917.

⁴ Mycologia 11: 163-167. 1919.

⁵ Mycologia 12: 93-98. 1920.

⁶ Mycologia 12: 206-267. 1920.

York Botanical Garden. Finally, an expression of my appreciation is due to Prof. H. M. Fitzpatrick, who suggested the publication of the list and who assisted in the preparation of the manuscript, and to Prof. H. H. Whetzel, who has placed at my disposal all of his material.

A total of 112 specimens, representing 65 species, is listed below. The date of the collection has been omitted in all cases. Following the citation of the locality, the accession numbers applied to the specimens by the collectors are given.

I. HYSTERIALES

1. LEMBOSIA COCCOLOBAE Earle.
On *Coccolobis uvifera*. Mayaguez, 522, 523.
2. LEMBOSIA DIFFUSA Winter.
On *Miconia prasina*. Maricao, 665.

II. PERISPORIALES

I. Erysiphaceae

So far as known, the members of this group never develop perithecia under the climatic conditions of the island, and are known only in the oidium stage. Hence, only tentative determinations based on the host can be made. It has seemed best, therefore, to omit them from the present list.

2. Perisporiaceae

3. DIMERIUM GRAMMODES (Kuntze) Garman.
On *Crotalaria retusa*. Anasco, 663; Mayaguez, 648, 662.
On *Meibomia barbata*. Anasco, 652; El Duque, 661.
On *Phaseolus adenanthus*. Mayaguez, 660; Tanama River, 659.
On *Vigna repens*. Mayaguez, 536, 653.
4. DIMERIUM STEVENSII Garman.
On *Cordia corymbosa*. Mayaguez, 637.
5. MELIOLA ANDIRAE Earle.
On *Andira jamaicensis*. Mayaguez, 583.
6. MELIOLA BICORNIS var. CALOPOGONIS Stevens.
On *Calopogonium orthocarpum*. Utuado, 614.
7. MELIOLA DIFFENBACHIAE Stevens.
On *Diffenbachia sequine*. Mayaguez, 585, 686.
8. MELIOLA GLABROIDES Stevens.
On *Sauvagesia erecta*. Maricao, 616.
9. MELIOLA GUAREICOLA Stevens.
On *Guarea trichiloides*. Mayaguez, 593.
10. MELIOLA IPOMOEAE Earle.
On *Ipomoea batatis*. Mayaguez, 605.
On *Ipomoea tiliacea*. Mayaguez, 606.

11. MELIOLA LONGIPODA Gaill.
On *Cordia borinquensis*. El Yunque, 610.
12. MELIOLA MAYAGUESIANA Stevens.
On *Palicourea procea*. Mayaguez, 589, 596.
13. MELIOLA MELASTOMACEARUM Speng.
On *Miconia racemosa*. Mayaguez, 588.
14. MELIOLA NIGRA Stevens.
On *Laguncularia racemosa*. Mayaguez, 587.
15. MELIOLA PANICI Earle.
On *Icanthus pallens*. Mayaguez, 579; El Yunque, 577.
On *Olyra latifolia*. Maricao, 552.
On *Panicum glutinosum*. Maricao, 578.
16. MELIOLA PAULLINIAE Stevens.
On *Paullinia pinnata*. Mayaguez, 598.
17. MELIOLA PSIDII Fr.
On *Psidium guajava*. Mayaguez, 600, 737, 529; Maricao, 599.
18. MELIOLA PSYCOTRIAE Earle.
On *Randia aculeata*. Barceloneta, 607, 608.
19. MELIOLA PTERIDICOLA Stevens.
On *Adiantum latifolium*. Mayaguez, 582, 620, 581.
20. MELIOLA SEPULTA Pat.
On *Avicennia nitida*. Martin Pena, 612.
21. MELIOLA TECOMAE Stevens.
On *Tecoma pentaphylla*. Maricao, 595.
22. MELIOLA TORTUOSA Wint.
On *Piper peltatum*. Mayaguez, 591.
23. PERISPORIUM BROMELIAE Stevens.
On *Bromelia pinguin*. Barceloneta, 504; Mayaguez, 505.
24. PERISPORIUM TRUNCATUM Stevens.
On *Inga laurina*. Maricao, 601.
On *Inga vera*. Mayaguez, 533, 602.

3. Coryneliaceae

25. CORYNELIA PORTORICENSIS Fitzpatrick.
On *Podocarpus coriaceus*. Maricao, 698.

4. Microthyriaceae

26. MICROPELTIS AERUGINESCENS Rehm.
On *Rourea glabra*. Rio Piedras, 645.

III. HYPOCREALES

1. Nectriaceae

27. CALONECTRIA ERUBESCENS (Rob.) Sacc.
On *Piper peltatum*, generally associated with a *Meliola* (*M. Tortuosa*?).
Maricao, 592; Mayaguez, 603, 590.
28. CREONECTRIA BAINII (Massee) Seaver.
On pods of *Theobroma cacao*. Mayaguez, no accession number.

29. CREONECTRIA GRAMMICOSPORA (F. & W.) Seaver.
On dead branch of tree. Maricao, *no accession number*.
30. MEGALONECTRIA PSEUDOTRICHIA (Schw.) Seaver.
On dead branch of tree. Maricao, 731.
On dead bar of *Cordia macrophylla*. Mayaguez, 678.
31. SCOLECONECTRIA TETRASPORA Seaver.
On fence post. Mayaguez, 672.
32. SPHAEROSTILBE COCCOPHILA (Desmaz.) Tul.
On scale insects on *Citrus decumana*. Barceloneta, 728.

2. Hypocreaceae

33. DOTHICHLOE ARISTIDAE Atkinson.
On *Aristida portoricensis*. Mayaguez, 695.
34. HYPOCRELLA TAMONEAE Earle.
On *Miconia* sp. Maricao, 472.
35. HYPOCRELLA TURBINATA (Berk.) Seaver.
On *Adiantum petiolatum*. Mayaguez, 716, 717.
On *Adiantum pulverulentum*. Mayaguez, 722.
On *Adiantum* sp. Mayaguez, 718, 719, 720, 721; Maricao, 723; Anasco, 724.
36. HYPOCRELLA GUARANITICA Speg.
On *Inga laurina*. Maricao, 734.

IV. DOTHIDEALES

37. AUERSWALDIA CECROPIAE P. Henn.
On *Cecropia peltata*. Mayaguez, 569; Barceloneta, 570.
38. AUERSWALDIA MICONIAE P. Henn.
On *Miconia* sp. Maricao, 697, 696.
39. CATACAUMELLA GOUANIAE Stevens.
On *Gouania lupuloides*. Mayaguez, 562; Maricao, 470.
On *Gouania polygama*. Maricao, 565.
40. DOTHIDELLA FLAVA Stevens.
On *Lithacne pauciflora*. Mayaguez, 547, 425.
41. MYRIOGENOSPORA BRESADOLEANA P. Henn.
On *Andropogon bicornis*. Rio Piedras, 681, 682.
On *Axonopus compressus*. Mayaguez, 683.
On *Icanthus pallens*. Tanama River, 686.
On *Paspalum conjugatum*. Maricao, 684, 685.
42. PHYLLACHORA ANDROPOGONIS (Schw.) Karst. & Har.
On *Paspalum notatum*. Barceloneta, 558.
43. PHYLLACHORA BOURRERIAE Stevens & Dalby.
On *Bourreria succulenta*. Barceloneta, 572.
44. PHYLLACHORA CYPERI Rehm.
On *Cyperus giganteum*. Mayaguez, 576.
45. PHYLLACHORA ENGLERI Speg.
On *Anthurium dominicense*. El Yunque, 644.
46. PHYLLACHORA GALACTIAE Earle.
On *Galactia striata*. Barceloneta, 575; San German, 574.

47. PHYLLACHORA GRAMINIS (Pers.) Fuckel.
On *Valota insularis*. Barceloneta, 551.
48. PHYLLACHORA MAYEPEAE Stevens & Dalby.
On *Mayepea domingensis*. Maricao, 567.
49. PHYLLACHORA MINUTA P. Henn.
On *Paritium tiliaceum*. Catano, 650.
50. PHYLLACHORA NITENS Garman.
On *Schlegelia brachyantha*. El Yunque, 640.
51. PHYLLACHORA PERIBEBUYENSIS Speg.
On *Tetrazygia elaeagnoides*. Barceloneta, 636.
52. PHYLLACHORA PHASEOLI P. Henn.
On *Phaseolus adenanthus*. Tanam River, 659.
53. PHYLLACHORA ROUREAE Sydow.
On *Rourea glabra*. Mayaguez, 626; El Yunque, 646.
54. PHYLLACHORA SECURIDACAE P. Henn.
On *Securidaca virgata*. Mayaguez, 564; Maricao, 563.
55. PHYLLACHORA SPHAEROSPERMA Wint.
On *Cenchrus echinatus*. Campo Alegre, 437.

V. SPHAERIALES

1. Cucurbitariaceae

56. ROSTRONITSCHKIA NERVINCOLA Fitzpatrick.
On *Gesneria albiflora*. Maricao, 699.

2. Coryneliaceae⁷

⁷ The Coryneliaceae are included above under the Perisporiales.

3. Mycosphaerellaceae

57. GUIGNARDIA PIPERICOLA Stevens.
On *Piper medium*. Rio Piedras, 635.
58. MYCOSPHAERELLA DIDYMOPANICIS Miles.
On *Didymopanax Morotoni*. Maricao, 516.
On *Didymopanax* sp. Maricao, 515.
59. MYCOSPHAERELLA PERSEAE Stevens.
On *Persea gratissima*. Yauco, 337.

4. Pleosporaceae

60. PHYSALOSPORA ANDIRAE Stevens.
On *Andira jamaicensis*. Martin Pena, 566.

5. Clypeosphaeriaceae

61. LINOSPORA TRICHOSTIGMAE Stevens.
On *Trichostigma octandra*. Yauco, 656.

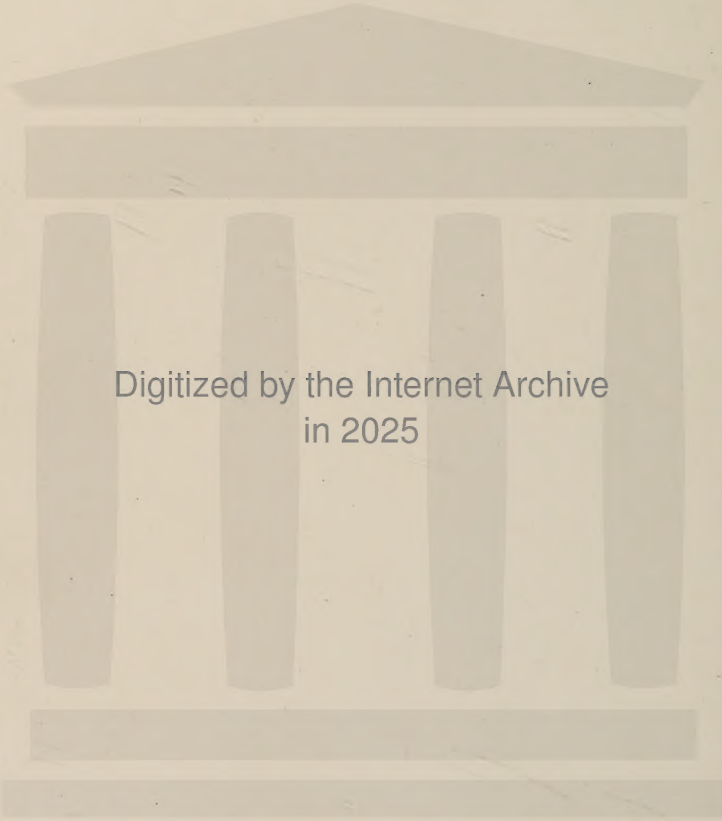
6. Xylariaceae

62. NUMMULARIA CINCTA Ferd. & Wing.
On wood. Maricao, 675.
63. XYLARIA APICULATA Cooke.
On wood. Mayaguez, 674.
64. XYLARIA ARISTATA Mont.
On dead leaves of *Clusia rosea*. Mayaguez, 677.
65. XYLARIA AXIFERA Mont.
On fallen herbaceous stems. Maricao, no accession number.

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